

ABSTRACT OF THE DISCLOSURE

A common-mode detector includes a first difference amplifier that is connected to compare a first input voltage with a feedback voltage to provide a first result, a second difference amplifier that is connected to compare a second input voltage with the feedback voltage to provide a second result, and a feedback amplifier that is connected to drive the feedback voltage to a level that is substantially the average of the first and second input voltages in response to receiving the first and second results.